

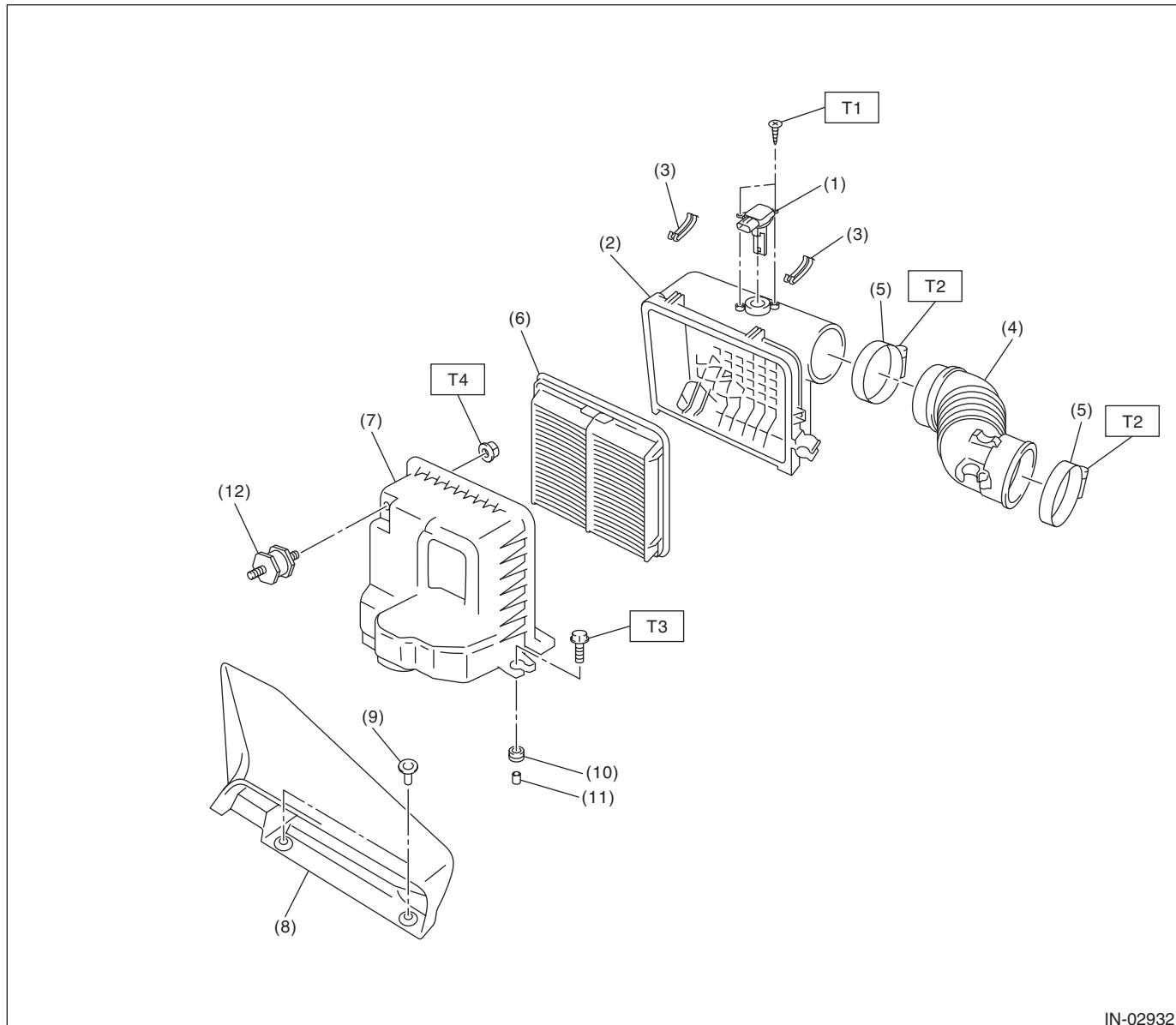
General Description

INTAKE (INDUCTION)

1. General Description

A: COMPONENT

1. AIR CLEANER



IN-02932

(1) Mass air flow and intake air temperature sensor	(7) Air cleaner case (front)
(2) Air cleaner case (rear)	(8) Air intake duct
(3) Clip	(9) Clip
(4) Air intake boot	(10) Cushion
(5) Clamp	(11) Spacer
(6) Air cleaner element	(12) Cushion

Tightening torque: N·m (kgf·m, ft-lb)

T1: 1 (0.1, 0.7)

T2: 2.5 (0.3, 1.8)

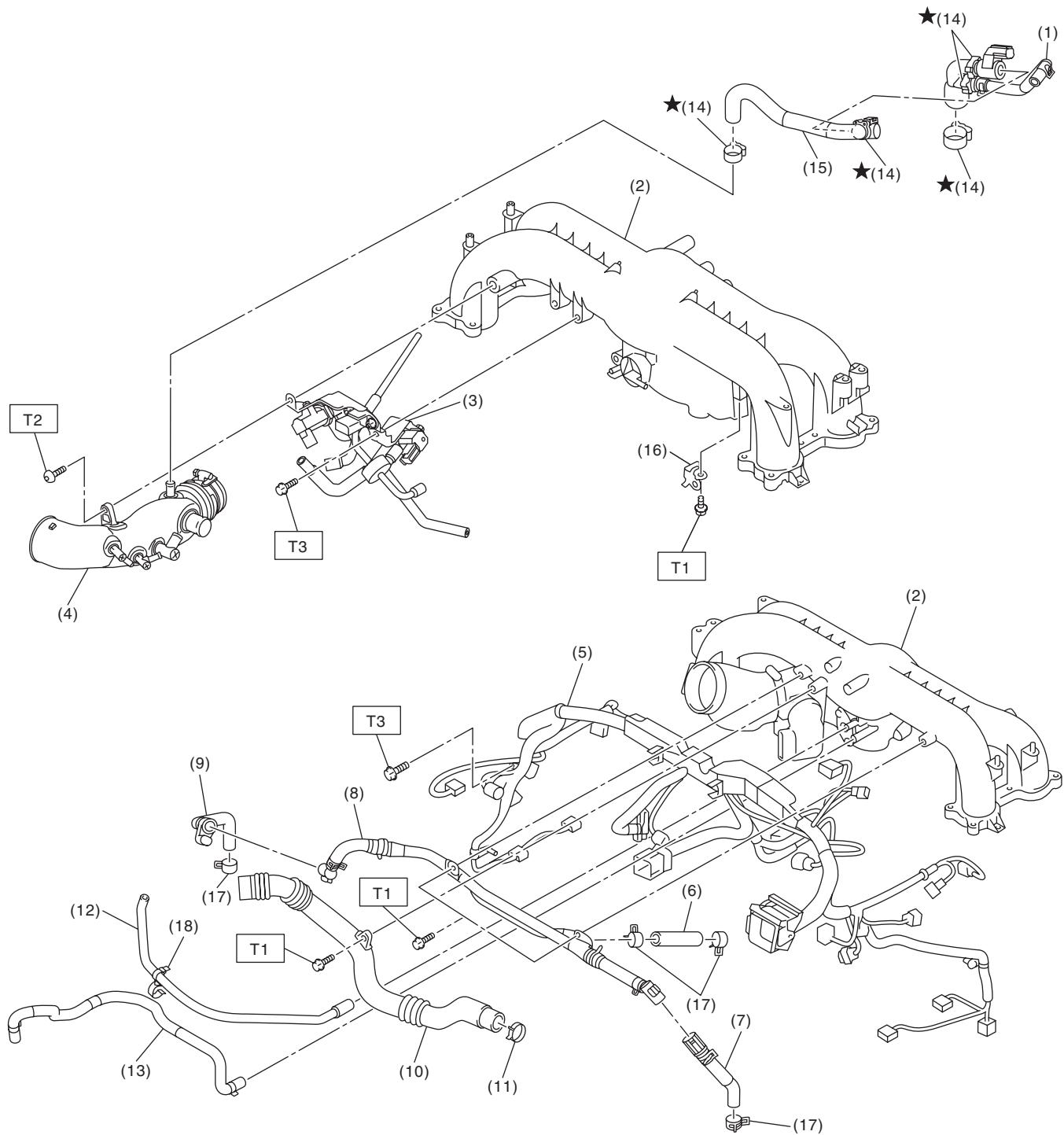
T3: 6 (0.6, 4.4)

T4: 7.5 (0.8, 5.5)

General Description

INTAKE (INDUCTION)

2. INTAKE DUCT



IN-03310

General Description

INTAKE (INDUCTION)

(1) PCV hose ASSY A	(9) PCV hose ASSY C	(17) Clip
(2) Intake manifold	(10) Air by-pass pipe	(18) Clip
(3) Solenoid valve bracket ASSY	(11) Clip	
(4) Intake duct	(12) Vacuum hose	
(5) Engine harness ASSY	(13) Brake booster vacuum hose	
(6) Vacuum hose	(14) Clamp	
(7) PCV hose ASSY B	(15) PCV hose ASSY D	
(8) PCV pipe ASSY	(16) Solenoid valve bracket	

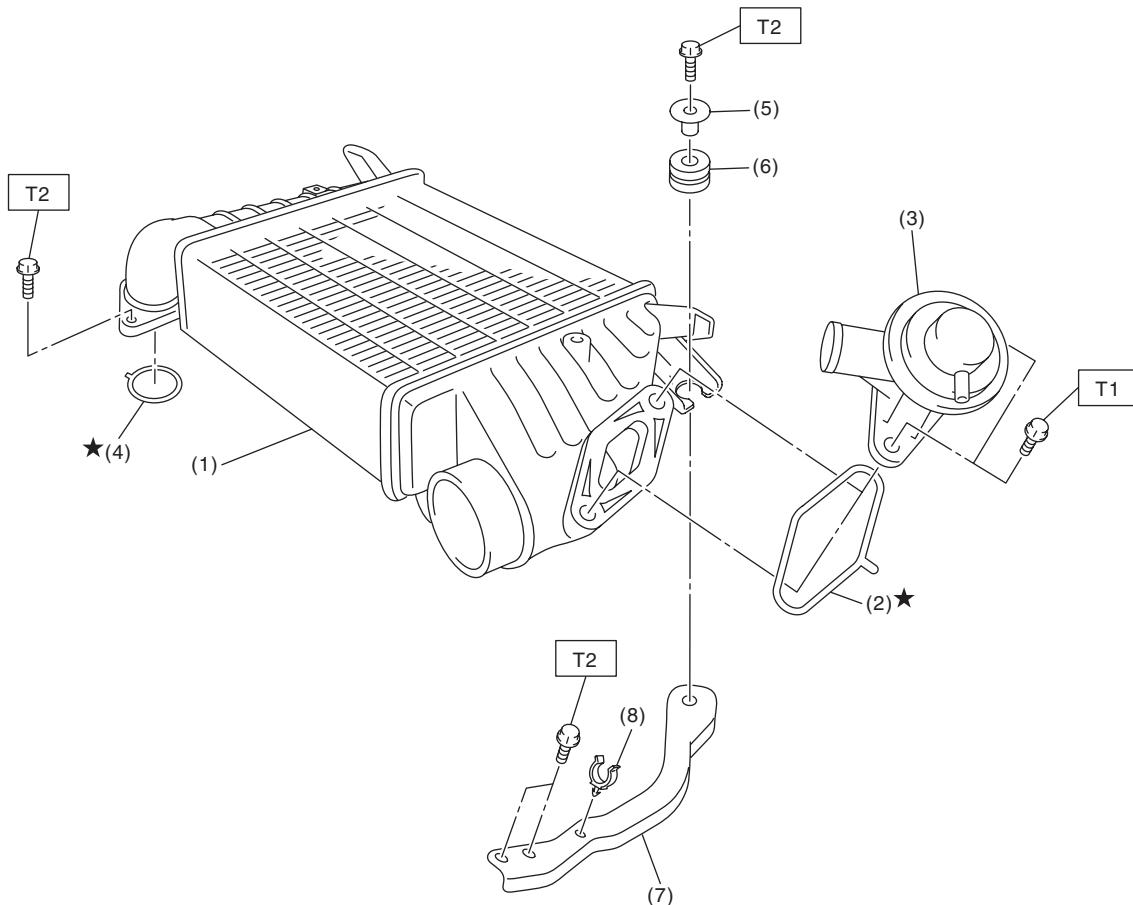
Tightening torque: N·m (kgf-m, ft-lb)

T1: 6.4 (0.7, 4.7)

T2: 17 (1.7, 12.5)

T3: 19 (1.9, 14.0)

3. INTERCOOLER



IN-02933

(1) Intercooler	(5) Spacer
(2) O-ring	(6) Cushion
(3) Air by-pass valve	(7) Intercooler stay
(4) O-ring	(8) Clip

Tightening torque: N·m (kgf-m, ft-lb)

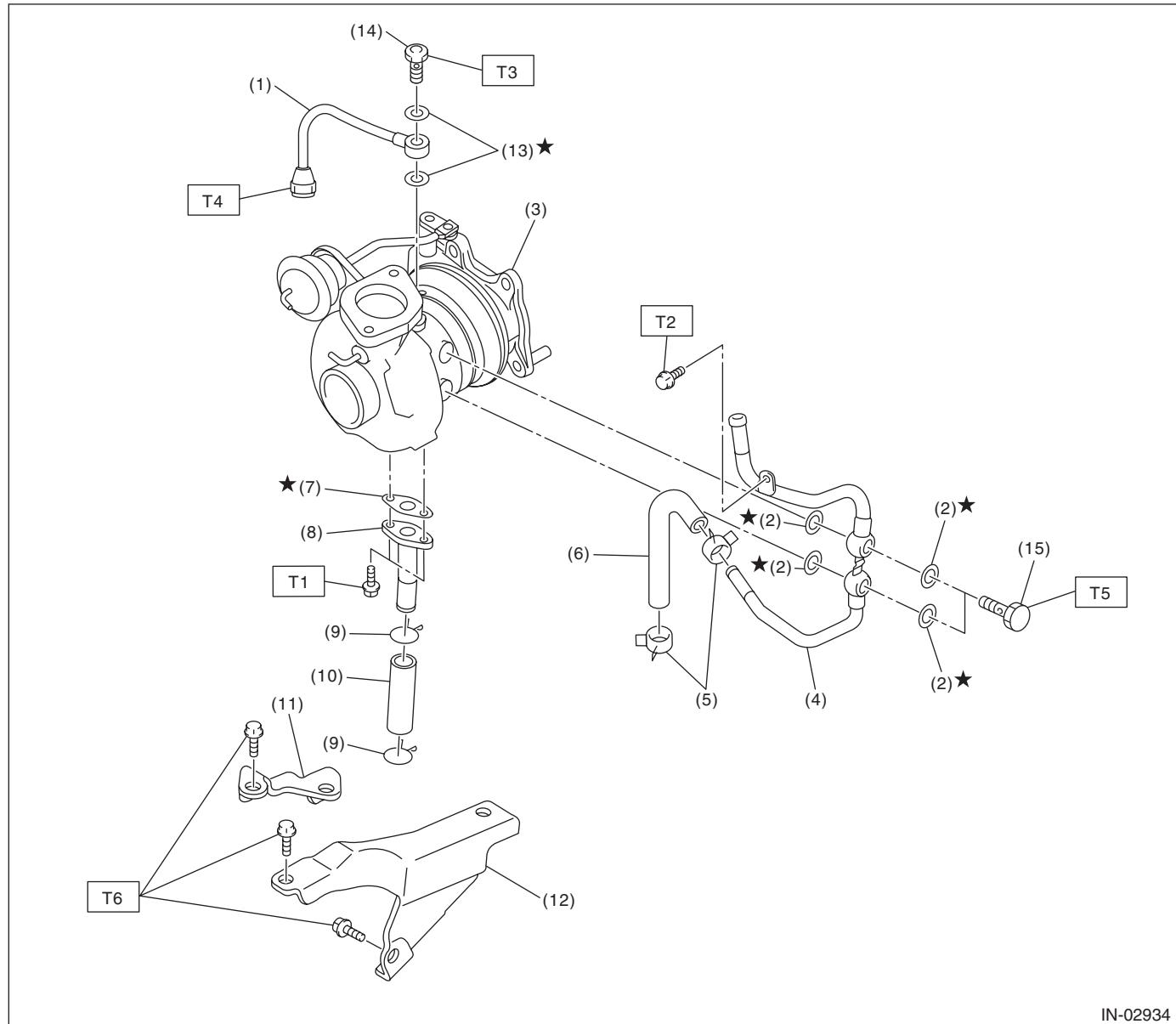
T1: 6.5 (0.7, 4.8)

T2: 16 (1.6, 11.8)

General Description

INTAKE (INDUCTION)

4. TURBOCHARGER



- (1) Oil inlet pipe
- (2) Gasket
- (3) Turbocharger
- (4) Water pipe
- (5) Clip
- (6) Engine coolant hose
- (7) Gasket
- (8) Oil outlet pipe

- (9) Clip
- (10) Oil outlet hose
- (11) Turbocharger stay RH
- (12) Turbocharger stay LH
- (13) Gasket
- (14) Union bolt A
- (15) Union bolt B

Tightening torque: N·m (kgf-m, ft-lb)	
T1:	4.9 (0.5, 3.6)
T2:	7.8 (0.8, 5.8)
T3:	16 (1.6, 11.8)
T4:	20 (2.0, 14.8)
T5:	23 (2.3, 17.0)
T6:	33 (3.4, 24.3)

General Description

INTAKE (INDUCTION)

B: CAUTION

- Prior to starting work, pay special attention to the following:
 1. Always wear work clothes, a work cap, and protective shoes. Additionally, wear a helmet, protective goggles, etc. if necessary.
 2. Protect the vehicle using a seat cover, fender cover, etc.
 3. Prepare the service tools, clean cloth, containers to catch grease and oil, etc.
- Vehicle components are extremely hot immediately after driving. Be wary of receiving burns from heated parts.
- When performing a repair, identify the cause of trouble and avoid unnecessary removal, disassembly and replacement.
- Before disconnecting connectors of sensors or units, be sure to disconnect the ground cable from battery.
- Always use the jack-up point when the shop jacks or rigid racks are used to support the vehicle.
- Remove contamination including dirt and corrosion before removal, installation, disassembly or assembly.
- Keep the removed parts in order and protect them from dust and dirt.
- All removed parts, if to be reused, should be reinstalled in the original positions with attention to the correct directions, etc.
- Bolts, nuts and washers should be replaced with new parts as required.
- Be sure to tighten the fasteners including bolts and nuts to the specified torque.

C: PREPARATION TOOL

1. GENERAL TOOL

TOOL NAME	REMARKS
Mighty Vac	Used for checking waste gate actuator and air by-pass valve.